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PTO/SB/21 (05-03) Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ler the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/032,168 TRANSMITTAL Filing Date Dec 21, 2001 **FORM** First Named Inventor Wallack, Aaron S. (to be used for all correspondence after initial filing) Art Unit 3725 **Examiner Name** Not Known Total Number of Pages in This Submission Attorney Docket Number C01-001 5 **ENCLOSURES** (check all that apply) After Allowance communication to Fee Transmittal Form Drawing(s) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Amendment / Reply Petition Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please Х Extension of Time Request Terminal Disclaimer identify below): Copies of references cited Express Abandonment Request Request for Refund Postcard Х Information Disclosure Statement CD, Number of CD(s) Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ TECHNOLOGY CENTER F 3700 Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Cognex Corporation - Arthur J. O'Dea - Reg. No. 42,952 Individual name Signature Date January 30, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.P. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Type or printed Cheryl Sloane

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Date

January 30, 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Wallack
PE JC Journal No.: 10/032,168

led: 12/21/2001

Title: Probe Mark Inspection Method and

**Apparatus** 

Group Art Unit:

3725

Examiner:

FEB **0 6** 2004

Not Known

**TECHNOLOGY CENTER R3700** 

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Attorney Docket No.: C01-001

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

## Dear Sir:

This Information Disclosure Statement is submitted:

<u>X</u>	under 37 CFR 1.97(b), or (Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
	under 37 CFR 1.97(c) together with either a:  Statement under 37 CFR 1.97(e), or  a \$180.00 fee under 37 CFR 1.17(p), or  (After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
	under 37 CFR 1.97(d) together with a:  Statement under 37 CFR 1.97(e), and a \$180.00 fee set forth in 37 CFR 1.17(p).  (Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

X Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of the attached references is that this is the closest art of which Applicant is aware.

Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

Please be aware that the following c0-pending U.S. Patent Applications are related to this patent application:

09/708,431 Filed 11/9/2000 10/443,580 Filed 5/22/2003 10/335,829 Filed 12/31/2002

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or the correspondence is being facsimile transmitted to the USPTO, on the date indicated below.

Date of Deposit:

1/30/04

Typed Name: Cheryl Sloane

Arthur J. O'Dea

Attorney/Agent for Applicant(s)

Reg. No. 42,952

Date: January 29, 2004

Telephone No.: (508) 650-3108

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Substitute for form 1449A/PTO				Complete if Known		
				Application Number	10/032,168	
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STATEMENT BY APPLICANT			OUKE	First Named Inventor	Wallack	
			CANT	Art Unit	3725	
				Examiner Name	Not known	
Shoot	1	of	2	Attorney Docket Number	C01-001	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
_		US- 4,396,903	08-02-1983	Habicht et al.			
		US- 4,490,848	12-25-1984	Beall et al.			
		US- 4,876,728	10-24-1989	Roth			
		US- 5,845,007	12-01-1998	Ohashi et al.	REO-		
		US- 5,862,249	01-19-1999	Jang et al.	FEB 0 6 2004		
		US- 5,872,870	02-16-1999	Michael	FFRAC		
		US- 5,917,935	06-29-1999	Hawthorne et al.	2004		
		US- 5,179,419	01-12-1993	Lichauer et al.	TECHNOLOGY CENTER RO		
		US- 5,371,690	12-06-1994	Engel et al.	J JENIER R		
		US- 5,588,068	12-24-1996	Longest et al.			
		US- 6,539,106	03-25-2003	Gallarda et al.			
		US- 6,167,150	12-26-2000	Michael et al.			
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )				T⁵	
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Under the Paper Complete if Known Substitute for form 1449B/ Application Number 10/032,168 Filing Date 12/21/2001 INFORMATION DISCLOSURE First Named Inventor Wallack STATEMENT BY APPLICANT Art Unit 3725 **Examiner Name** Not known (use as many sheets as necessary) 2 C01-001 Attorney Docket Number Sheet

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		RAFAEL C. GONZALEZ AND RICHARD E. WOODS, <i>Edge Linking and Boundary Detection</i> , Digital Image Processing, Addison-Wesley Publishing Company, September, 1993	
		ANDREW FITZGIBBON, MAURIZIO PILU AND ROBERT B. FISHER, <i>Direct Least Square Fitting of Ellipses</i> , IEEE Transactions on Patern Analysis and Machine Intelligence, Vol. 21, No. 5, May 1999	
		ANDREW W. FITZGIBBON, ROBERT B. FISHER, A Buyer's Guide to Conic Fitting, British Machine Vision Conference, pp 513 – 522 (1995).	
		ROBERT M. HARALICK AND LINDA G. SHAPIRO, Computer and Robot Vision, Volume 1, Binary Machine Vision, Addison-Wesley Publishing Company, 1992	
		ASHOK K. AGRAWALA AND ASHOK V. KULKARNI, A Sequential Approach to the Extraction of Shape Features, Computer Graphics and Image Processing 6, 538-557, Academic Press Inc., 1977	
		D. GEIGER AND A. GUPTA AND L.a. COSTA, J. VLONTZOS, Dynamic Programming for Detecting, Tracking, and Matching Deformable Contours, IEEE Transaction on Pattern Analysis and Machine Intelligence, March 1995	
		S.R. GUNN AND M.S. NIXON, A Robust Snake Implementation; A Dual Active Contour, IEEE Transactions on Pattern Analysis and Machine Intelligence, January 1997	_
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